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In the Claims

- 1.-5. (cancelled)
- 6. (currently amended) The video imaging system according to claim 4 <u>27</u>, wherein said at least one [[re]]configurable hardware device is selected from the group consisting of: field programmable gate arrays, and computer programmable logic devices; and at least one programmable hardware device, from the group consisting of digital signal processors, and microprocessors.
- 7. (cancelled)
- 8. (currently amended) The video imaging system according to claim 4 27, wherein said storage device is located within said a camera head.
- 9. (currently amended) The video imaging system according to claim 4 <u>27</u>, wherein said storage device is located within said camera control unit.
- 10. (currently amended) The video imaging system according to claim 4 <u>27</u>, wherein said storage device includes a removable, replaceable memory unit.
- 11. (currently amended) The video imaging system according to claim 4 27, wherein said storage device is remotely accessible.

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- 12. (original) The video imaging system according to claim 11, wherein said storage device is an Intranet location.
- 13. (original) The video imaging system according to claim 11, wherein said storage device is an Internet location.
- 14. (currently amended) The video imaging system according to claim 4 <u>27</u>, wherein said program enables said camera control unit to issue commands to said a camera head.
- 15. (previously presented) The video imaging system according to claim 14, wherein said camera head sends confirmation to said camera control unit that said commands were received.
- 16. (original) The video imaging system according to claim 14, wherein said camera head adjusts operating characteristics in response to said camera control unit commands.
- 17. (cancelled)

- 18. (currently amended) The system according to claim 4 <u>27</u>, further comprising software executing on said camera control unit for determining when said camera head is in communication with said camera control unit.
- 19.-25. (cancelled)
- 26. (currently amended) The video imaging system according to claim 22 27, further including a second storage device and processed image data is stored on said second storage device.
- 27. (currently amended) A video imaging system, comprising:
 a camera control unit for receiving and processing image data;
 a software program located on a storage device for enabling said camera
 control unit to process the image data;

a configurable hardware device located on said camera control unit for processing the image data, said configurable hardware device including a non-overwritable portion that requests said software program;

a processor located on said camera control unit for retrieving and executing said software program to configure said configurable hardware device;

said non-overwritable portion loads said program on said processor; and

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said software program executing on said <u>processor for modifying said</u> configurable hardware device and enabling said camera control unit to process the image data.

- 28. (original) The video imaging system according to claim 27, further comprising a pre-existing program located on said configurable hardware device for processing the image data.
- 29. (original) The video imaging system according to claim 28, wherein said program executing on said processor overwrites said pre-existing program.
- 30.-34. (cancelled)